

Profile

Architect. Dedicated to developing architectural projects and its prototypes using digital tools and digital fabrication to improve user interaction.

Personal. Interested in the operation and manufacture of 3D printers, laser cutters and CNC machines using open source hardware and software in order to suit our needs.

Skills

Languages. Native speaker Spanish, fluent English.

Software. AutoCAD, 3Ds Max (Vray), Rhinoceros 5 (Grasshopper, RhinoCam), Ecotect Analysis, Unity 3D, Illustrator, Photoshop, InDesign, Windows.

Coding. Arduino, Processing.

Architectonic. Modeling and 3D print, digital fabrication, design and construction of prototypes, physical models, development of interfaces, conceptual and contextual analysis.

Interests. Open source, digital matter, augmented reality, intelligent constructions, environmental design, interactive facades, 3d scanner, kinect, entropy, transversality, urban sprawl, health and environmental law, emergent systems.

Education

Bachelor degree in Architecture Universidad de las Américas Puebla, from 2007 to 2012. Focused mainly in the teaching of architectural design and urban issues that affects our society. My studies ended with a thesis entitled "Estrategias conceptuales de diseño urbano ante una crisis de recursos energéticos en el Distrito Federal" in which public space arises as the solution of the New Needs facing the collapse or emerging crises, resulting in conceptual intervention strategies implemented at urban level.

Master in Advanced Architecture. Institute for Advanced Architecture of Catalonia, from 2013 to 2014. Focused on digital tools, digital fabrication and construction of physical prototypes to develop an adaptive architecture for constant energy, social and environmental changes.

Experience

Internships. Conducted in the summer of 2011 at Distrito Federal in the company "Raco Constructores" where I was involved in the design of apartment buildings and residential units, besides advertising design, common areas and pools for projects located in Yauatepec, Morelos - México.

City Hall Yauatepec, Morelos. November 2012 to June 2013 - Architect in charge of remodeling the council offices; design and construction of the rural clinic for the municipality of Cocoyoc and participation in the update of land uses data of the state.

Apartment Buildings Jazmines de Yauatepec II. January 2013 to August 2013 - Architect in charge of drawing the plans for bidding on building permits and the feasibility of changing land use for the construction of the new section.

Publishing in the magazine PASAJES arquitectura n° 133, with the project Iris Gas Panel under the subject: Interactive and responsive system. June 2014.

Exposition at the Design Hub of Barcelona, with the project Thermatrix (Bimetals) under the subject Smart Flexibility: Advanced Materials and Technologies. From June to October of 2014.

Development

Course of sustainable tourism development. Udlap, 2009.

Course of permaculture and sustainability. Granja Tequio. Atlixco, Puebla, 2010.

Course of environmental and health law. Udlap. 2010.

Contest. Arquine 2010, Ciudad Juárez: Media Park.

Contest. Universidad Inter Continental 2010: Opera House. Distrito Federal.

Contest. Universidad Iberoamericana, Puebla, 2011: Barrio de Xanenetla.

Course of Vray for 3DsMax. Darco. DF, 2011. International Certification by AutoDesk.

Contest. Nueva casa del adolescente DIF, Puebla, 2012.

Workshop of architecture and digital technologies at CITA: Center for Information Technology and Architecture. Copenhagen, Denmark. 2014.

Miguel Ángel Juárez DíazBarriga

MA Advanced Architecture

email. miguel.angel.juarez@iaac.net

mobile +34 684 09 52 29